

Environmental Quality Commission Recommendation
Proposal to Burn Tire Derived Fuel at the
Owensboro Municipal Power Plant
December 16, 1999

1. The Environmental Quality Commission (EQC) supports the concept of burning tire derived fuel (TDF) in a controlled and regulated manner at the Owensboro Municipal Utilities (OMU) Power Plant.
2. However, EQC expresses concern regarding potential toxic emissions that may be generated from the burning of waste tires at the OMU power plant and strongly urges the Kentucky Division for Air Quality to more fully characterize the risks posed by burning waste tires and conduct additional testing for the following chemicals:
 - Volatile Organic Chemicals (VOCs) such as benzene, chloroform, 1,2-dichloroethane, hexachlorobenzene, methylene chloride, styrene, toluene, and trichloroethylene
 - Polycyclic aromatic hydrocarbons which there is evidence of human mutagenicity or other potential health consequences such as acenaphthene, acenaphthylene, benzo(a)pyrene, benzo(g,h,i)perylene, benzo(k)fluoranthene, fluoranthene, fluorene, phenanthrene, and pyrene
 - Metals of concern such as aluminum, lead, chromium, and arsenic because of their cancer-causing potential and other health effects
 - Dioxins and furans that may be present in emission gases due to incomplete combustion
3. EQC recommends that this testing be conducted in a timely manner during TDF operations as specified in the OMU Power Plant Title 5 Permit to assure this process does not pose a risk to public health or the environment.
4. EQC recommends that public health and safety be considered paramount given that the OMU power plant operates within a populated area, and that provisions are made to fully anticipate and prevent problems associated with plant upsets, poor unit operation, and other potential unit failures while burning TDF.

Unanimously passed December 16, 1999

EQC Commissioners present and voting

Aloma Dew, Chair, Owensboro

Betsy Bennett, Vice-Chair, Lexington

Patty Wallace, Louisa

Bob Riddle, Georgetown

Serena Williams, Louisville